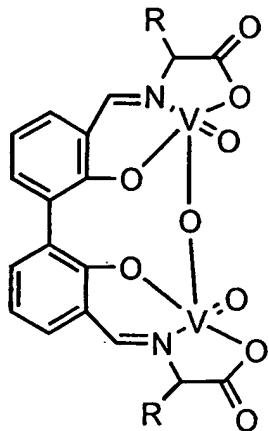


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Amdt. dated March 30, 2006
Reply to Office Action of January 6, 2006

In the Claims:

Please amend claims 1 and 10-14 as follows.

1. (Currently Amended) A chiral catalyst used for oxidative coupling of naphthols, comprising which is a novel vanadium complex of Schiff's base formed by a chiral amino acid and a formyl biphenol or its derivatives, wherein it has having the general formula:



where R represents a benzyl, an isopropyl, an isobutyl or a tertiary butyl and the configuration of the amino acid is R or S.

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2. (Original) The chiral catalyst according to claim 1, wherein said R is a benzyl when the configuration of the amino acid is *S*.

3. (Original) The chiral catalyst according to claim 1, wherein said R is an isopropyl when the configuration of the amino acid is *S*.

4. (Original) The chiral catalyst according to claim 1, wherein said R is an isobutyl when the configuration of the amino acid is *S*.

5. (Original) The chiral catalyst according to claim 1, wherein said R is a tertiary butyl when the configuration of the amino acid is *S*.

6. (Original) The chiral catalyst according to claim 1, wherein said R is a benzyl when the configuration of the amino acid is *R*.

7. (Original) The chiral catalyst according to claim 1, wherein said R is an isopropyl when the configuration of the amino acid is *R*.

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8. (Original) The chiral catalyst according to claim 1, wherein said R IS an isobutyl when the configuration of the amino acid is R.

9. (Original) The chiral catalyst according to claim 1, wherein said R is a tertiary butyl when the configuration of the amino acid is R.

10. (Currently Amended) A process for preparing a chiral catalyst used for oxidative coupling of naphthols, which consists of comprising the following steps:

- a. making a solution of To water was solved a chiral amino acid and sodium acetate dissolved in water;
- b. A adding a solution of 3'3-biformyl biphenol3,3'-diformyl-2,2'-dihydroxy-1,1'phenyl in a mixed reagent of EtOH and THF was added to the solution obtained by step a, and stirring the reaction mixture was stirred for 1~3 hours at 70~90°C; and
- c. An adding an aqueous solution of 25% VOSO₄ was added to the resulting mixture, then it was cooledcooling it to ambient temperature; after, then stirring it for 1 ~3 hours, to produce the catalyst was produced.

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11. (Currently Amended) The process for preparing a chiral catalyst according to claim 10, ~~wherein in step a further comprising stirring the solution of step a was stirred for 5~15 minutes at 40~60 °e when a chiral amino acid and sodium acetate was solved to waterC.~~

12. (Currently Amended) The process for preparing a chiral catalyst according to claim 10, ~~further comprising combining wherein in step b the weight ratio of the mixed reagent to and 3'3 bi-formly biphenol 3,3'-diformyl-2,2'-dihydroxy-1,1'phenyl is in a ratio of 20~25:1, and in the mixed reagent, combining the volume ratio of EtOH to THF is in a volume ratio of about 1: 1.~~

13. (Currently Amended) The process for preparing a chiral catalyst according to claim 10, wherein the molar ratio of the chiral amino acid, sodium acetate, water, 3'3-bi-formly-biphenol to VOSO₄ ~~of steps a, b and c~~ is 1.2:2.4:100~150:0.5: 1.1.

14. (Currently Amended) A ~~use~~ method of using a chiral catalyst used for oxidative coupling of naphthol for the preparation of binaphthol or its

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derivatives, comprising catalyzing wherein with naphthol or its derivatives as stating material and with oxygen as an oxidize oxidizing agent with, 1 ~ 10 mol%10 mol % of the chiral catalyst can catalyze the oxidative coupling reactionof claim 1 to produce highly optically pure binaphthol or its derivatives.